



# The Raleigh Amateur Radio Society's **EXCITER**

## GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- RARS meets for a monthly dinner on the First Tuesday of each month.



## PUBLIC SERVICE EVENTS

Interested in helping? Visit  
<http://www.rars.org/public-service.php>

frequently for our 2018  
ham public service  
schedule.

## RARS General Meeting

**Topic: Linear Amplifiers, by: Bob Naumann W5OV**

**Date:** August 14, 2018

**Time:** Meeting at 7:30PM

*Informal gathering and refreshments from 7 - 7:30 p.m.*

**Where:** Ridge Road Baptist Church. 2011 Ridge Rd., Raleigh

New HAM meeting, 6:00 p.m. before member meeting

Tadd Torborg, KA2DEW, New Ham Meeting Coordinator

[Click here for more information.](#)

## President's Message

Many RARS members have been enjoying the warm summer months with portable operating or by participating in the many special event station operations that populate the summer calendar. It was great to hear reports on these operations at our last RARS meeting and over a meal at the last RARS dinner.

I am pleased to report that for the 13 Colonies on the Air Event which took place over the week of Independence Day that North Carolina (K2J) made more contacts than any other state and was therefore declared the "winner" of the event. To encourage each state to make as many QSOs as possible there is a friendly competition between all 13 states to see which state's team can get the most QSOs in the log. K2J logged 14,840 QSOs, the most

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## RARS Officers

### PRESIDENT

Carl Davis  
W8WZ  
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### VICE PRESIDENT

Tom Lewis  
N4TL  
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### SECRETARY

Tara Goodwin  
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### TREASURER

Greg Seamster  
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## The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website ([www.rars.org](http://www.rars.org)).

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## Exciter

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at [www.rars.org](http://www.rars.org). Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor ([editor@rars.org](mailto:editor@rars.org))

## For Your Information

### RARS General Meeting

Date: Second Tuesday of each month

Location: Ridge Road Baptist Church 2011  
Ridge Road Raleigh, NC, 27607

Time: People begin arriving at 7 p.m. The meeting officially begins at 7:30 p.m.

### RARS Monthly Dinner

All members and guests are welcome to the monthly (first Tuesday) RARS Supper, 6:30PM, at the Golden Corral Restaurant, 6129 Glenwood Ave., Raleigh. Informal and Dutch, just bring your appetite and best rag to chew. 73, Chuck, K4HF

### RARS Repeaters in Raleigh

146.640 and 444.525

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

There is a net Listing on the RARS web-site click here. <http://www.rars.org/nets.php>

### VE Testing

The RARS VEs will accept walk-in testing in February, May, August and November at 5:30PM, prior to RARS membership meetings at Ridge Road Baptist Church; the RARSfest in April; the Cary Swapfest in July; the JARS-Fest in November; and following RARS license classes. Please bring a photo ID, your original and a copy of your current license, your \$14 exam fee, and any valid CSCEs that prove passing elements beyond that of your current license. Visit [www.rars.org](http://www.rars.org) for more information.

## July 2018 RARS Net Summary

Checkins: 561

Traffic Brought/Passed: 13/13

Minutes: 1,113

Sessions: 31

### Special 10 Meter Net

Checkins: 16

Minutes: 50

Sessions: 1

Virginia Enzor NC4VA

RARS Net Manager



## President's Message continued

ever! Congratulations go to all of the RARS members who helped by either volunteering as part of the K2J team or by making contacts with K2J over the air.

There is a television program available on Netflix that may be of interest to amateur radio operators. It is called "Churchill's Secret Agents". The program is produced in England and takes a group of people from today and puts them through the same training and selection process that the British Government used to select and train their SOE agents to work behind enemy lines in occupied Europe. The portion of the program that we hams may find interesting is when the group is taught to use Morse Code and has to send messages using a WWII spy radio called a paraset. The paraset was a transmitter/receiver built into a suitcase that spies could use to transmit messages from Europe back to England. The show does a great job of explaining and showing the correct use of Morse Code and amazingly the show's participants actually learn it to a point that they can operate at about 5WPM in just two days of training! The paraset they use in the show is either an original or an accurate reproduction using a Xtal controlled 6V6 oscillator as the transmitter and a regenerative receiver using two 6SK7s. I know some RARS members have built their own replica of this famous radio. A webpage devoted to that topic can be found here: <http://qsl.net/ve7sl/paraset.html> If you are interested in the idea but would prefer to build a modernized solid state tribute to the old paraset then consider the Bayou Jumper kit offered by the Four State QRP group at the following webpage: <http://4sqr.com/kits/Bayou%20Jumper/bayoujumper.php>

Both would make cool rigs to bring to our "show and tell" meeting coming up in November!

Our August meeting will be very interesting with a presentation on Amplifiers. It will be given by Bob Naumann, W5OV who works at DX Engineering. The presentation will be done via Skype. The use of Skype and similar technologies allow us to access speakers that cannot physically come to Raleigh for our meeting. Thanks to our RARS leaders who came up with this idea and are working to make it happen. This is a new thing for us so come out and enjoy.

Finally, congratulations to Joe W4TTO for being the second person to earn our newly revitalized 64 on 64 award! I look forward to more presentations of this fine award at future RARS meetings, so keep those award applications coming and enjoy being on the air!

73 Carl Davis, W8WZ

*New HAM meeting, 6:00 p.m. before the  
member meeting*

*Tadd Torborg, KA2DEW, New Ham meeting Coordinator*

*The New Hams meeting is held every month before the regular RARS meeting.  
We'll try to start by 6pm. We try to address topics in a manner that will be of help  
to hams in their first year of operation.*

The July new hams meeting was about putting convectors on cables.





## RARS July Membership Meeting



Carl W8WZ thanking Bob Starkenburg, W4TTX,  
for doing a great job running RARS Field Day 2018



Bob Starkenburg, W4TTX and Mike, K4MBX

Three gift cards were drawn for the participants of Field Day.

The winners were Mike, K4MBX, Rich T, and Vianne, KM4MMB

## July's Meeting Presentation



Pilot Don Williams, AB4IO talking about the Civil air patrol

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## July's Meeting, Door Prize winners



Left to right, Curt, W4CP, David, KF4VXJ, Bob, K4YXM, Joe, KM4WRQ & Dick, AA1DG

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## Joe Squashic W4TTO Earns “Sixty-Four on Six-Four Award”

Virginia Enzor, RARS Net Manager



Virginia Enzor, NC4VA brought the Award to the RARS meeting  
Joe was not present to receive it.

Congratulations go to Joe Squashic for earning the RARS “Sixty-Four on Six-Four Award” on July 10, 2018! To earn this award, Joe had to make at least 64 different station contacts on the 146.64 repeater. He earned the basic award plus endorsements for 128 contacts and at least 64 RARS members! Way to go Joe!

You, too, can earn this cool award and endorsements to proudly display in your ham shack. For details, please visit [www.rars.org](http://www.rars.org).

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### RARS Auction

The October 9th meeting will be the RARS Auction. Its time to think about what you could bring to sell. When we closer to that date, PLEASE register your items on line. That allows me to print labels before the auction. It saves a lot of work at the auction.

73 Tom N4TL



## RARS Birthdays

Hertz	KN4CUZ	08/10
Andy	AA9P	08/10
Manny	K4KBM	08/14
Paul	AE4MN	08/15
Christopher	KM4RNC	08/15
Bernard	W4BRB	08/17
David	W4EIP	08/18
Mike	KM4BJV	08/18
Chris	KN4GY	08/19
Bonnie	KK4OAK	08/19
Chuck	W3WZN	08/19
Al	KE4IH	08/20
Mike	KN4DRN	08/21
Charles	KN4FHP	08/21
Ned	KV4MN	08/21
Barry	KD4WTI	08/22
Cliff	KK4MPA	08/22
Mirl	W4WMA	08/22
Chip	KE4NPS	08/23
Daniel	KW4TI	08/24
John	KG4AKV	08/25
Peter	KJ4MDY	08/25
Mike	KG4GTP	08/27
Lizzy	KN4LGS	08/28
Mike	KK4ETS	08/30
Dan	KD4AGQ	08/31
Sarah	KJ4WZD	08/31

## New RARS Members

Jim Welch	W1XR
James Helton	KK7EEP

## Future Hamfests

A full list of Hamfests can be found at the [ARRL website](#).

08/11/2018 | [20th Annual Cape Fear ARS Swapfest](#)

Location: Fayetteville, NC

Type: ARRL Hamfest

Sponsor: Cape Fear Amateur Radio Society

Website: <http://www.cfarsnc.org>

08/31/2018 | [Roanoke Division Convention \(Shelby Hamfest\)](#)

Location: Shelby, NC

Type: ARRL Convention

Sponsor: Shelby Amateur Radio Club

Website: <http://shelbyhamfest.org>

10/14/2018 | [Maysville Hamfest](#)

Location: Maysville, NC

Type: ARRL Hamfest

Sponsor: Maysville Hamfest Association

11/18/2018 | [JARSFest](#)

Location: Benson, NC

Type: ARRL Hamfest

Sponsor: Johnston Amateur Radio Society

Website: <http://www.jars.net>

## The Tar Heel Scanner/SWL SIG Meeting Minutes.

On July 16<sup>th</sup>, eleven members of the group met at Red Hot & Blue on Falls of the Neuse Road in Raleigh. Tom McKee, K4ZAD, brought in an Airspy HF+ SDR receiver and discussed its merits. He also mentioned that he likes using the latest version of SDR Console to run the radio.

Kelly Mills, AE4FG, brought in a Zumspot and discussed how he is using it to access the Brandmeister DMR network.

John Garrett, N4YFU, brought in his new Uniden SDS100 scanner and spoke about how he liked it so far.

In an upcoming meeting, we'll have a presentation on the Civil Air Patrol.

Meetings are held on the third Monday of each month. We meet at 6:30 for dinner and the meeting begins at 7:30 and ends at 9:00. For more information and announcements about the upcoming meetings, see the Tar Heel Scanner / SWL groups on Yahoo group and Facebook.

73, Kelly, AE4FG

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## Future RARS Meeting Topics

Titles, topics, and speakers subject to change.

8/14/2018	Linear Amplifiers	Bob Naumann W5OV Sales Manager for DX Engineering
9/11/2018	Satellite Communications	John Brier KG4AKV
10/9/2018	RARS Officers nominations RARS Auction	Election committee & TBD
11/13/2018	RARS Officers election and Show and Tell. Bring something of interest in Ham Radio that you would like to show off. Be prepared to talk about it. The time will be limited so everyone can have time to show their item.	Election committee & members
12/11/2018	RARS pot luck Holiday party. Sign up at the RARS website. RARS Officers induction.	Election committee

## Spotlight on RARS Net Friends

Virginia Enzor NC4VA, RARS Net Manager



This month's column features a family of hams who check into the RARS Net! You'll recognize them – there's Meme who checks in every night, Dick who was the voice of the Thursday night net for years, and finally, Rob, the elusive one who hams want to contact on the air to earn the locally famous "Worked all O's Award"!

By the way, the net meets at 8:00 PM on the 146.64 repeater every evening! Please check in; we would love to hear how your day is going.

### Spotlight on Meme Orander KE4NGM

1. Name, Callsign & License class

Meme Orander KE4NGM, Technician

2. Year originally licensed

1994

3. How did you get into ham radio?

My boys, Dick KD4ISC and Rob KD4IRZ, got their license in 1992. The more they talked about being on the radio the more interested I became. Dick loaned me a scanner and I would listen to the RARS 8pm net and the Possum Trot net. Whenever Dick checked into the Possum Trot net, he would always say 'good morning' to me. Soon other Possum Trotters would say 'hello.' I wanted to be able to answer back. The boys got me a 'Tune In The World' study guide and I went to work. Before long, I took the Technician test and was licensed.

4. What aspects of the hobby currently interest you?

I enjoy listening to 2 meters and checking into some of the nets.

5. Positions that you hold in RARS or other organizations?

Unofficial hugger.

6. Any special awards? (DXCC, WAS, WAC, IOTA, etc)

I have attained the Slick Tail and Grinning Possum level of check-ins on the Possum Trot Net. In

Continued from the previous page

my early years as a ham, I received a 'Hammy' award from RARS for being the only female to consistently check into the 8pm net.

7. Any special project you are currently working on?

At my age, every day is a project.

8. Interests outside of radio?

I enjoy working the puzzles in the daily newspaper. I love adventure (see the picture below) and time spent with my family.

9. Words of advice for new hams?

You're never too old to learn new things. Enjoy whatever part of the hobby that makes you happy.



Meme's Shack

Continued from the previous page



Machinegun Jane

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## Spotlight on Dick Orander KD4ISC

1. Name, Callsign & License class

Dick Orander KD4ISC, Amateur Extra Class

2. Year originally licensed

1992

3. How did you get into ham radio?

Around the age of 10, a friend of mine introduced me to shortwave listening. I was immediately hooked on radio. Many years later, I finally found the time (and finances) to pursue amateur radio. Brother Rob, KD4IRZ, and I took a RARS Tech class and the fun began.

4. What aspects of the hobby currently interest you?



When I have time, I enjoy the various nets on 2 meters and 70 centimeters. I also try to participate in a public service event or two each year. On HF, special event stations are my favorite contacts. The Toad Suck Daze event out of Arkansas is one of my prized certificates.

5. Positions that you hold in RARS or other organizations?

Currently I hold no RARS positions. I have served as club secretary, public service coordinator and 8pm net control station (Thursdays for 22 years). Outside of radio, I am one of the co-coordinators for the Semillas de Amor program which tutors elementary school children from our Hispanic community.

6. Any special awards? (DXCC, WAS, WAC, IOTA, etc)

While I enjoy chasing the wall paper for special event stations, I've never been too excited about the various other contact awards. I have been thinking of digging out my old RARS net logs and submitting an application for the 64 on 64 award (with maybe a 640 contact endorsement ... hi hi!)

7. Any special project you are currently working on?

Elmering my friend Ellen, KN4LWI has been my recent project. After years of gently nudging, she finally found time to get her Tech license and quickly upgraded to General. It's been fun sharing advice about the hobby with her. Getting my wife interested in obtaining her license is a much longer duration project.

8. Interests outside of radio?

I'm a second year beekeeper with a lot yet to learn. Bees are amazing creatures. I'm working on teaching them CW (see the picture below). I also enjoy bike riding, photography and as much hiking as my knees will allow.

9. Words of advice for new hams?

Jump in and have fun. Don't be afraid to ask questions and to experiment. Public service events are a great opportunity to run your equipment through its paces, improve your communication skills and learn some neat tricks for portable power, antenna configurations and mobile operations. Be comfortable with doing as much or a little as you want with the hobby.

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Dick with Celebrity Austin Powers



Dick's CW bees!

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## Spotlight on Rob Orander KD4IRZ

1. Name, Callsign & License class  
Rob Orander KD4IRZ, Tech
2. Year originally licensed  
1992

Continued from the previous page

3. How did you get into ham radio?  
Brother fostered an interest in SW Dxing and radio stuff growing up.
4. What aspects of the hobby currently interest you?  
DXing, Skywarn, Emergency Preparedness
5. Positions that you hold in RARS or other organizations,  
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6. Any special awards? (DXCC, WAS, WAC, IOTA, etc)  
Co creator of the worked all O's certificate
7. Any special project you are currently working on?  
Always something.
8. Interests outside of radio?  
Lots! Old cars, motorcycle riding and camping, magic, fishing, etc...
9. Words of advice for new hams?  
Jump in and participate. Don't be afraid of making a mistake. Absorb as much as you can from hams who have been around awhile. Courteous enjoyment of the hobby will keep it alive.



What was Rob KD4IRZ up to? Photo was labeled “Séance Chamber”.

## Worked All O's Award

Virginia Enzor NC4VA, RARS Net Manager

Most of you have heard of the "Worked All States Award" but have you heard of the "Worked All O's Award"? It's an exciting local award that only a few of us have been lucky enough to earn! Per Award Manager Dick Orander KD4ISC, here's the scoop.

"The Worked All O's certificate was created near the turn of the century to recognize hams that have worked the 3 North Carolina Oranders. Hams making contact with the trio today will be part of an elite group that have worked the only 3 Oranders, licensed as hams, in the USA.

The rules are simple:

- Make a contact with Meme KE4NGM, Rob KD4IRZ and Dick KD4ISC. Contacts can be all together or separate occurrences.
- Any amateur radio modes and bands are acceptable.
- Request your certificate when your final contact is made. No automatic awards are given.
- There is no time limit.
- Rules are subject to change (but not likely)."

So, there you have it! Make contact with all three Oranders, and email Dick Orander at [rorander@nc.rr.com](mailto:rorander@nc.rr.com) to request your handsome certificate to proudly in your shack!



## FlexRadio on page 25 of August QST

FlexRadio is advertising their new FLEX-600 and FLEX-6600M rigs on page 25 of the August issue of QST. Do you recognize the person operating the rigs in the picture? He lives in the Raleigh area and has presented at RARS in the past. Its Nate, N4YDU when he was operating at TI7W in the ARRL DX CW 2018 Contest. Nate made over 7,000 contacts in the 48 hour contest coming in first in the world.



Wikipedia has an entry for this Olympics of ham radio contesting.

[https://en.wikipedia.org/wiki/World\\_Radiosport\\_Team\\_Championship](https://en.wikipedia.org/wiki/World_Radiosport_Team_Championship)

WRTC 2018 was held in Germany. A number of local hams were there.

Nate Moreschi, N4YDU was a participant.

Carl Moreschi, N4PY was a technical assistant.

Will Roberts, AA4NC was a referee.

Dan Atchison, N3ND was a visitor.

Nate was teamed with Kam Sirageldin, N3KS. They came in 15th out of 63 teams.

You can find more information at <http://www.wrtc2018.de/index.php/en/>



## How to get the maximum benefit when using the ARRL's outgoing QSL service

Opening packages, sorting, slotting and packing QSL cards takes a lot of time and manpower. Here are some things you can do to keep the process running smoothly and efficiently.

- Send larger packages of QSL cards. Opening and sorting small envelopes of cards is slow and labor intensive. It is much easier for ARRL staff to open and record one large package than it is to open several small envelopes. This saves you money also.
- The QSL bureau ships freight **quarterly** on large pallets so sending small envelopes every month just increases the cost of handling and your cards will not arrive at their destination any sooner.
- **Print clearly** using block-style letters---no script---sharp points, straight lines, tails, slashes.
- Sort cards in alphabetical order according to parent and alternate prefixes. This is important for slotting the cards and eliminates returns because cards went to the wrong bureau. Keep all country prefixes together. Example: The prefix 2E belong to England so these cards will go with your G cards for England. The prefix TM is France so these cards will go with your F cards.
- Check to see if your QSO partner uses a QSL manager. Here are some good resources to find QSL managers.
  - o <http://www.ik3qar.it/manager/>
  - o [http://www.qsl.net/va3rj/qsl\\_dbase.html](http://www.qsl.net/va3rj/qsl_dbase.html)
  - o <https://www.qrz.com/index.html>
- Sending direct to a QSL manager will get you a return much quicker however the QSL bureau will still deliver cards to QSL managers. If a card is going to a QSL manager clearly write the word "via" then the QSL manager's call sign next to the station call sign. Our staff is trained to look for this information next to the station call so having it elsewhere on the card may get overlooked.
- If you write the station call sign on the back of the card, use upper-left hand side; and flip cards forward facing the same direction. Business side up with no blank sides facing forward.
- Do not separate the cards with slips of paper, rubber bands, etc. This only slows down handling of the cards.
- Include your e-mail address with your membership information and payment.
- No US to US except Hawaii, Alaska, Puerto Rico, Guam and USVI. Send those direct.
- Not all countries are served by the outgoing QSL service. [Check the list at the ARRL](#).
- Not all stations use the Buro even if their county has one, check on QRZ.com to find out.
- Check <http://www.arrl.org/outgoing-qsl-service>

## Ransomware

The August issue of QST has updated information about the Ransomware problem on page 60.

Ransomware will encrypt all the files on your computer. You have to pay to get the key to decrypt your files. The article said there is hope for Ransomware Victims. Visit this website for more information.

<https://www.nomoreransom.org/en/index.html>

To protect yourself never open an email attachment if you don't know who sent it. Make backups of your files. **Also don't leave your back up drive or USB memory plugged in.** If you do and get hit with ransomware, your backup will also be encrypted. Backups also help for when your hard file crashes.

73 Tom N4TL

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## Heathkit in IEEE History

From the Heathkit reflector.

There is an interesting article on Heathkit in the latest issue of the IEEE History Center's monthly newsletter. View it at this website: The article starts on page 4.

<https://www.ieee.org/content/dam/ieee-org/ieee/web/org/about/historycntr/ieee-history-center-newsletter-107.pdf>

Bob Groh, WA2CKY, Employed at Heathkit from 1977 to 1981, Longtime Heathkit fan.

*Hi. For the sake of accuracy of Heath History, the O-1 oscilloscope kit was advertised for the first time in Radio News in July 1947. See the bottom of page 122.*

<https://www.americanradiohistory.com/Archive-Radio-News/40s/Radio-News-1947-07-R.pdf>

73 Santos

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## Will Radio Shack come Back?

According to a July 13 [article](#) in the *New York Post*, [RadioShack](#) is planning to open "express stores" within [HobbyTown USA](#) locations. There is more information at this website:

[http://www.arrl.org/news/view/radioshack-express-stores-to-open-in-hobbytown-usa-locations?utm\\_source=dlvr.it&utm\\_medium=twitter](http://www.arrl.org/news/view/radioshack-express-stores-to-open-in-hobbytown-usa-locations?utm_source=dlvr.it&utm_medium=twitter)

## Raspberry Pi for FT8?

If anyone is using a Raspberry Pi for the digital mode, FT8, would they contact Dave Price, K4KDP, (daveprice@nc.rr.com)? Dave sent me an email and said that he has seen Boy Scouts who are interested in digital communications and Raspberry Pi. He also said it would make a very compact setup.

## Tubes and More Tech Corner

This company has some interesting technical information on this website:

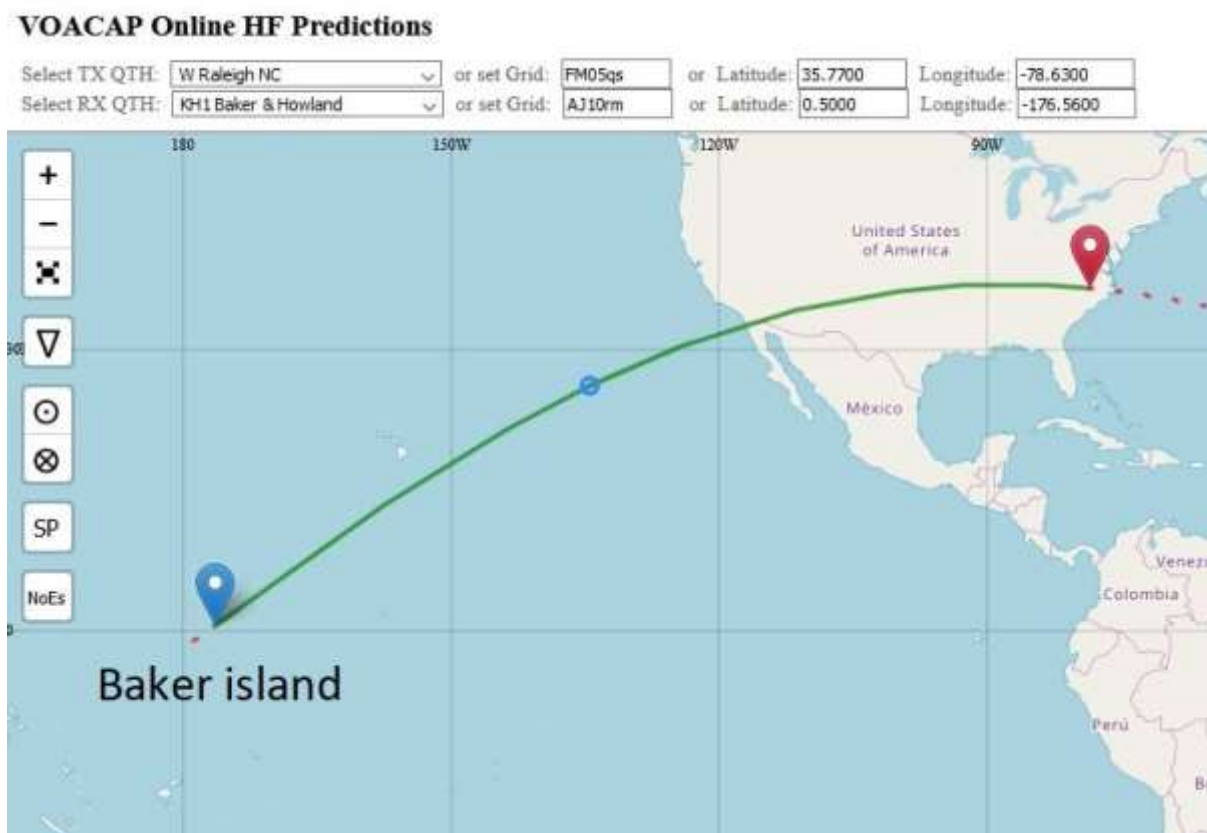
<https://www.tubesandmore.com/tech-corner>

## VOACAP Online HF Predictions

Here is a website that you can use to predict propagation to most of the world. Enter your location and the DX location. Click on one of the green boxes at the bottom of the map for various predictions. "W Raleigh NC" is listed as one of the QTH locations.

<http://www.voacap.com/p2p/index.html>

73 Tom N4TL



# Minutes

## Raleigh Amateur Radio Society

### Board Members Meeting

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*Date | time* 06/19/18 @ 7:05 pm | *Meeting called to order by* Carl Davis W8WZ

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#### In Attendance

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9 Members, 0 Visitors

Carl Davis W8WZ

Tara Goodwin W4TSW

Alan Pitegoff AB4OZ

Chuck Littlewood K4HF

John Stone K3RHJ

Greg Seamster KE4PAX

Murray Merner K4MHM

Tom Lewis N4TL

Richard Kroeger N1FUA

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#### Approval of Minutes

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Quorum present: May Board Meeting Minutes Approved

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#### President Report-Carl W8WZ

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Present; Due to internet issues at the church Carl announced that there would be no electronic presence for this meeting. He also said we would probably be back in the chapel for the July membership meeting and we would need to look at using the same PA as last week.

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## Vice President Report-Tom N4TL

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Tom reported that next month's member meeting topic would be Civil Air Patrol by Don Williams (AB4IO) followed by Linear Amplifiers with Bob Naumann (W5OV) in August, which will be done electronically.

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## Treasurer's Report-Greg KE4PAX

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Greg reported that there are now 418 members and gave a brief overview of the budget. For more information, or a copy of this budget, please contact Greg.

He also stated he emailed out renewal reminder emails to those who have not yet renewed and will be expecting renewals to come in over the next few weeks.

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## Secretary's Report-Tara W4TSW

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Present; No report

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## Directors Reports

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**Education Director-Carl W8WZ:** Carl announced there will be an education session at Field Day using the NTS system to have participants send a radio gram to someone which will then be transmitted over the NTS net that night acquiring us the 100 points for the hands-on activity.

**Exciter Chair-Tom N4TL:** The Exciter is doing well. He has requested that all articles to be submitted by June 30<sup>th</sup> for the next month issue.

**Net Manager-Virginia NC4VA:** Not Present; report read by Carl (W8WZ) stated that nets are running well. One "64 on .64 award" was presented in the June meeting and another participant has completed the requirements for the award which will be given in July.

**Webmaster-Hank K4HM:** Not Present; Report read by Tara (W8WZ) SSL will be installed on the website soon and he plans to have some minor restructure of navigation to be better match for most used pages. May want to create a "Library" of past articles that have been on the website like the multiband article there.

**Public Service Director-John K3RHJ:** John said the next event will be on July 4<sup>th</sup>, The Firecracker, but at this time they are slack on events, but it will be picking up soon.



**Food Service Chair-Richard N1FUA:** Richard gave an update on the preparation of snacks for field day and the upcoming months.

**RARSFEST Chair-Tara W4TSW:** Tara reported that RARS has been approved to be the state convention in 2019 and that we are still waiting on response from the Fairgrounds in regard to Friday night room rentals to keep from being charged two days of full use. They have yet to send a new contract at this time.

**Director-at-large-Alan Pitegoff AB4OZ:** Present; Alan asked for the leadership to reach out to the church office regarding the air conditioning not being turned on last week and the internet being disconnected. He also mentioned that the third APRS was found and was being returned to the club and then they would be turned over to John (K3RHJ) for use in public service

**Youth Director-Murray K4MHM:** Murray reported that he had put an article in the Exciter about youth Day and plans to be on the air with his grandsons

**ARRL Liaison-Chuck K4HF:** Present; no report to give

**Director-at-large-Joanne AA3N:** Not present; no report to give

**Immediate Past President-Dennis NC4DK:** Not present, no report given

**Public Information Officer-Charles KM4AMT:** Not present, no report give

**ARRL NC Section Manager-Karl W4CHX:** Not present, no report given

**W4DW/W4RNC TRUSTEE-Jeff, AC4ZO:** Not present, no report given

**Field Day Chair-Bob W4TTX:** Not present, no report given

**Director-at-large-Marty W4MY:** Not present, no report given

**NC QSO Party Chair-Marty W4MY:** Not present; no report given

**FM Repeater Chair-Karl W4CHX:** Not present, no report given

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## Old Business

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**Nerd Nite Presentation:** Tara (W4TSW) is scheduled to participate in Nerd Nite on August 16<sup>th</sup> where she will give a 20 minute presentation on Amateur Radio and it's uses.

Minutes continued from the previous page

**Digital equipment:** Tara (W4TSW) stated that the digital equipment was in and would be put to use starting with Field Day.

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## New Business

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**Back-up Meeting Arrangements:** Carl (W8WZ) stated that we should keep an eye out for back-up meeting places just in case there are further issues, or future conflict, with current establishment.

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## Additional Business/Comments/Announcements

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None

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## Next Meeting

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07/17/2018, 2011 Ridge Road at 7pm

Meeting was adjourned at 8:05pm

Meeting Minutes taken and Submitted by Tara Goodwin W4TSW

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**The Morse code allows people with cerebral palsy to communicate.**

This is a quote from the on line article

“The device was revolutionary. It would convert my Morse code into letters then speak out loud in English and had a small printer installed in it. I could activate a light to “raise my hand in class.” At first I thought learning Morse code would be a waste of time, but soon learned that it gave me total freedom with my words, and for the first time, I could talk with ease, without breaking my neck. School became fun, instead of exhausting. I could focus on my studies, and have real conversations with my friends for the first time. Also, I did not need an adult figure with me every moment at school, and that was awesome.”

Here is a link to the article with much more information.

<https://blog.google/products/search/making-morse-code-available-more-people-gboard/>

# Minutes

## Raleigh Amateur Radio Society

### Members Meeting

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*Date | time* 07/10/18 @ 7:30pm | *Meeting called to order by* Carl Davis, W8WZ

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#### In Attendance

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The monthly membership meeting of the Raleigh Amateur Radio Society met at the Ridge Road Baptist Church in Raleigh. The meeting was called to order by President Carl, W8WZ, at 7:30 pm.

The Pledge of Allegiance was recited.

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#### Approval of Minutes

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Secretary determined a quorum was present, a motion to accept the minutes of the June 12, 2018 meeting, as published in the Exciter, was made, seconded, and approved.

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#### Continuing Announcements

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The RARS dinner takes place monthly on the first Tuesday (next: August 7th) at 6:30p.m. at Golden Corral; 6129 Glenwood Ave, Raleigh.

The next board meeting, which is open to all our members, will be Tuesday July 17th at 7pm in the Ridge Road Church conference room. Afterwards many members retire to a nearby restaurant for a quick bite.

Tonight's after-meeting gathering, for any who are interested, will be at the Rudinos located at 3101 Edwards Mill Rd Raleigh 27612

A new ham/Elmer's meeting with new hams, and anyone interested, takes place before each member-

Minutes continued from the previous page

ship meeting at 6pm at the Ridge Road church.

This month's group of hams, led by Tad (KA2DEW) spent the class time building coaxial cable jumpers.

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## Door Prizes

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Door Prizes were won by Curt (W4CP), David (KF4VXJ), Bob (K4YXM), Joe (KM4WRQ), and Dick (AA1DG)

**Congratulations to all our July Winners!!!**

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## Vice President Report/Exciter Chair-Tom N4TL

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Tom thanked everyone for their article submittals for the July Exciter and let the club know that next month's presentation, Linear Amplifiers, will be done via electronic media by Bob Naumann (W5OV). Tom will not be present for the meeting but the secretary Tara (W4TSW) would be coordinating the set up and running of the needed media for the presentation.

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## Treasurer's Report-Greg KE4PAX

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Greg stated that our membership is currently at 301 members and that he reminded the membership that there were still memberships that had not renewed. Greg updated the club on the current budget updates and the Treasurers Report was approved. For those interested in official treasurer reports can contact Greg (KE4PAX)

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## Secretary's Report-Tara W4TSW

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No Report.

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## Board and Committee Reports

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**Net Manager-Virginia NC4VA:** Virginia spoke about the 64 on .64 award and then presented the second award, since the re-launch of this award, to Joe (W4TTO). Joe was unable to attend to receive the award in person but she will get it mailed to him. **Congratulation Joe!!!!**

**Field Day Chair-Bob (W4TTX):** Bob thanked all the team captains and volunteers for pitching in and assisting in the planning, setup, execution, and break down of field day. He also thanked Jim and Beth Carroll for the use of their farm and to Golden Corral for the donations of the gift cards. The Covington ca-

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[www.rars.org](http://www.rars.org)

Minutes continued from the previous page

tered meal was delicious but the staff professional and friendly.

There were almost 100 people who attended throughout the weekend and almost 2000 QSO's were made. The GOTA station had contacts made by non-licensed operators and the education segment sent out 10 traffic messages. With all the participation RARS received nearly all the bonus points this year and he thanks everyone again.

The Wireman drawing winners were Mike (K4MBX), Rich T, and Vianne (KM4MMB)

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## Board and Committee with No Report

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**Public Service-John K3RHJ**

**FM Repeater Chair-Karl W4CHX**

**Food Service-Richard N1FUA**

**ARRL Liaison-Chuck K4HF**

**Youth Director-Murray K4MHM**

**Past President-Dennis NC4DK**

**ARRL Section Manager-Karl W4CHX**

**Webmaster-Hank K4HM**

**W4DW/W4RNC Trustee**

**Director at Large-Alan AB4OZ**

**Field Day Chair-Bob W4TTX**

**Education Director-Carl W8WZ**

**RARSFEST Chair-Tara W4TSW**

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## Old Business

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No Old Business

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## New Business

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## Additional Business/Comments/Announcements

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Wade (KW9EMG) has expressed a need for net control operators for the fourth region traffic net. Trained traffic net controls who are interested in a daytime HF net can reach out to Wade for more information

Alan (AB4OZ) cautioned those in attendance to not talk on the radio about being away from their homes for an extended amount of time, or talk about other operators who may be on vacation. He also announced he would be doing a 10m net on the upcoming Saturday after the tech net.

Israel (NC4IP) spoke to the membership regarding the Wake Network of Care; an online database of social services and non-profits that are there to help people with mental or physical health issues. For more information please reach out to Israel.

Fin (NC4FG) was cited in CQ magazine for his homebrew work.

Two members had tech tips.

Tonight's presentation: "The Civil Air Patrol" by Don Williams AB4IO

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## Next Meeting

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08/14/2018, 2011 Ridge Road at 7pm

Meeting was adjourned at 9:32 pm

Meeting Minutes taken and Submitted by Tara Goodwin W4TSW





## Current Public Service Opportunities

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To volunteer for a Public Service event please complete the form at the top of this page.

WELCOME TO THE 2018 HAM PUBLIC SERVICE EVENT SIGNUP PAGE. Choose the event(s) for which you would like to volunteer and complete the sign-up form at the top of the page... note... one form for EACH event that you are volunteering. It's also very helpful to indicate what type of assignment you're interested in.

***THE 2018 LIST OF PUBLIC SERVICE EVENTS WILL BE POSTED AS CONFIRMED - CHECK BACK FREQUENTLY FOR UPDATED INFORMATION***

Events you can sign up for now:

[www.rars.org/public-service.php](http://www.rars.org/public-service.php)

The most versatile pieces of equipment for working as a ham volunteer during public service events are as follows:

### PRIMARY EQUIPMENT

- \* Dual band (144/440) 25 watt (min) mobile transceiver
- \* A 1/2-5/8 wave well grounded dual band mobile antenna

### EXTRAS THAT ARE HELPFUL

- \* Dual Band (144/440) hand held transceiver
- \* Extra set of charged batteries
- \* Ear phones & speaker mic or boom mic/headphone set
- \* Higher gain antenna than the supplied rubber duck. For example Comet BN-24 or SMA-24 or Diamond RHF40 or SRH77CA. There are also many other hi-gain HT antennas available.

Events you can signup for now:

### 2018 BikeFest

**August 11, 2018 - Saturday - Hillsborough, NC**

This event has 35, 62 and 100 mile routes and the proceeds benefit various Bicycling related charities. SAGS and Rest Stop Hams are needed.

- \* Location: 106 E. Margaret Lane, Hillsborough (near the Orange County Court House), NC 27278
- \* Ham Coordinator: John Stone (K3RHJ)
- \* Website: [BikeFest](http://BikeFest)
- \* **TO VOLUNTEER, FILL OUT THE FORM AT [www.rars.org/public-service.php](http://www.rars.org/public-service.php)**

### **2018 Five-O Memorial Bike Ride**

**August 19, 2018 - Sunday - Raleigh, NC**

This event has 32 and 65 mile courses and benefits the Raleigh Police Memorial Foundation. SAGS and Rest Stop Hams are needed.

- \* Location: Life Time Athletic of Raleigh, 8515 Falls of Neuse Rd., Raleigh, NC 27815
- \* Ham Coordinator: John Stone (K3RHJ)
- \* Website: [Five-O Memorial Ride](#)
- \* **TO VOLUNTEER, FILL OUT THE FORM AT [www.rars.org/public-service.php](http://www.rars.org/public-service.php)**

### **2018 Tour d'Orange**

**August 25, 2018 - Saturday - Hillsborough, NC**

This event has 36, 65, 80 and 100 mile routes and the proceeds benefit the National MS Society and National Foundation for Transplants. SAGS and Rest Stop Hams are needed.

- \* Location: Activities Center - Cane Creek Baptist Church, 6176 Orange Grove Rd., Hillsborough, NC 27278
- \* Ham Coordinator: John Stone (K3RHJ)
- \* Website: [Tour d'Orange](#)
- \* **TO VOLUNTEER, FILL OUT THE FORM AT [www.rars.org/public-service.php](http://www.rars.org/public-service.php)**

### **2018 Bike MS: Historic New Bern Ride**

**September 8-9, 2018 - Saturday and Sunday - New Bern, NC**

The event features 30, 50, 75 and 100 mile rides each day, requiring SAGS, staff Shadows and Rest Stop Hams. The event benefits the National Multiple Sclerosis (MS) Society and typically draws about 2000 riders.

- \* Location: Union Point Park, 210 E Front St, New Bern, NC 28560
- \* Ham Coordinator: Brian Young (KA9QJT) for Triangle-area Hams, collaborating w/Bruce (KS8L, former N8UTY) of New Bern
- \* Website: [Bike MS New Bern Sign Up Genius page - Please Visit!](#)
- \* Facebook (Optional): [Bike MS Ham Radio Support group](#)
- \* Additional Info: For 2018, the MS Society staff has asked that all their volunteers also sign up using the MS Tour Sign Up Genius page above. There's tab for Hams/SAGs.
- \* Do consider making hotel arrangements early. Availability is always limited.
- \* **TO VOLUNTEER, FILL OUT THE FORM AT [www.rars.org/public-service.php](http://www.rars.org/public-service.php)**

## RARS Classifieds

Copied from [www.rars.org/classifieds.php](http://www.rars.org/classifieds.php)

The items below were listed within the last 30 days on the RARS website.

### ICOM IC-T70A Dual Band HT and Goodies

Posted July 26th, 2018 by: W4MDZ

Contact: [zetts@sent.com](mailto:zetts@sent.com)

I purchased this radio about a month ago. I then received another HT that duplicates this ICOM. So I don't need them both.

Here is what you get in a great package:

Everything that came with the radio except the box.

Diamond dual band whip antenna.

RT systems software and cable specific to this radio, which makes programming a breeze. Better than Chirp.

I have all the receipts to show that I paid \$270 for the items above.

I will sacrifice this excellent radio and goodies for \$175 firm.

W4MDZ.

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### E F Johnson Viking Ranger I Transmitter

Posted July 9th, 2018 by: K4HF

Contact: [k4hf@arrl.net](mailto:k4hf@arrl.net)

Radio has had some TLC. T/R Relay, mike and Documentation included. Transmitter is working and in above average condition. \$275 Contact me by e mail, preferred, or (919) 872-6555 Thanks, Chuck

